Rexroth
Bosch Group

# Universal Through Drive

**RE 95 581/12.05** 1/8
Replaces: IP029
MH059

**Technical Data Sheet**



For the variable pumps
A4VSO series 30
A10VSO series 32

## Contents

| | |
|---|---|
| Features | 1 |
| Universal Through Drive Adapter Kits | 2 |
| Assembly Group | 2 |
| Material Number | 2 |

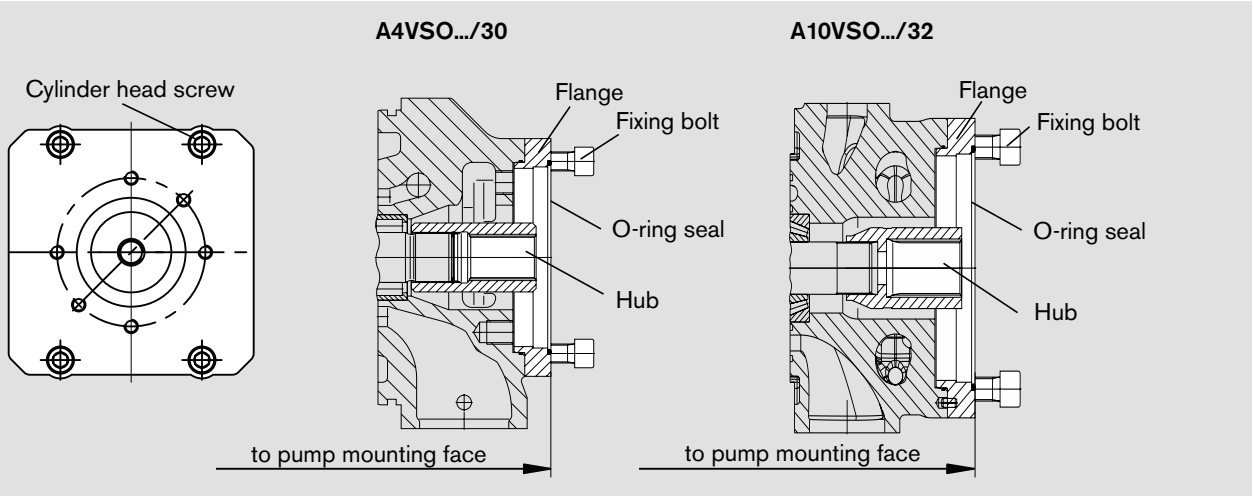
## Features

- Flexible universal through drive
- The through drives are exchangeable without machining the port plate.
- The same individual parts are applicable with the A4VSO.../30 as well as with the A10VSO.../32.

More information:

| | |
|---|---|
| Variable pump A4VSO.../30 | RE 92 050 |
| Variable pump A10VSO.../32 | RE 92 714 |

# Universal Through Drive Adapter Kits




## Assembly Group

The through drives come as assembly group. The assembly group **"flange and hub"** includes flange, hub, fixing bolts, cylinder head screws, and o-ring seal.

## Material Number

In the column "Code" you will find the name of the through drive. This corresponds to the ordering code in the technical data sheet (RE 92 050, RE 92 714). The column "Available for pump" specifies for which pump, respectively for which size the through drive is available. The column "Length to pump mounting face" shows the maximum length to the pump's flange. The following column contains the material numbers for the appropriate assembly group.

| Code | Available for Pump | Length to Pump Mounting Face | Material number<br>Assembly Group „Flange and Hub"<br>Flange, Hub, Fixing Bolt, Cylinder Head Screws, O-ring Seal |
|---|---|---|---|
| U99 | A4VSO125 | 359 | R902438778<br>(Cover, Cylinder head screws, O-ring seal) |
| | A4VSO180 | 383 | |
| | A10VSO71/32 | 289 | |
| | A4VSO250 | 443 | R902444736<br>(Cover, Cylinder head screws, O-ring seal) |
| | A4VSO355 | 472 | |
| | A10VSO100/32 | 350 | |
| | A10VSO140/32 | 367 | |

| Code | Available for Pump | Length to Pump Mounting Face | Material number<br>Assembly Group „Flange and Hub“<br>Flange, Hub, Fixing Bolt, Cylinder Head Screws, O-ring Seal |
|---|---|---|---|
| ISO 3019-2 | | | |
| UB2 | A4VSO125 | 369 | R902446991 |
| | A4VSO180 | 393 | |
| | A10VSO71/32 | 299 | R902446992 |
| | A4VSO250 | 453 | R902446993 |
| | A4VSO355 | 482 | |
| | A10VSO100/32 | 360 | R902446994 |
| | A10VSO140/32 | 377 | R902446995 |
| UB3 | A4VSO125 | 369 | R902446996 |
| | A4VSO180 | 393 | |
| | A10VSO71/32 | 299 | R902446997 |
| | A4VSO250 | 453 | R902446998 |
| | A4VSO355 | 482 | |
| | A10VSO100/32 | 360 | R902446999 |
| | A10VSO140/32 | 377 | R902447000 |
| UB4 | A4VSO125 | 369 | R902447001 |
| | A4VSO180 | 393 | |
| | A10VSO71/32 | 299 | R902447002 |
| | A4VSO250 | 453 | R902447003 |
| | A4VSO355 | 482 | |
| | A10VSO100/32 | 360 | R902447004 |
| | A10VSO140/32 | 377 | R902447005 |
| UB5 | A4VSO125 | 369 | R902447006 |
| | A4VSO180 | 393 | |
| | A10VSO71/32 | 299 | R902451441 |
| | A4VSO250 | 453 | R902447007 |
| | A4VSO355 | 482 | |
| | A10VSO100/32 | 360 | R902451442 |
| | A10VSO140/32 | 377 | R902451443 |
| UB6 | A4VSO125 | 369 | R902447008 |
| | A4VSO180 | 393 | |
| | A4VSO250 | 453 | R902447009 |
| | A4VSO355 | 482 | |
| U31 | A4VSO125 | 369 | R902447010 |
| | A4VSO180 | 393 | |
| | A4VSO250 | 453 | R902447011 |
| | A4VSO355 | 482 | |
| U33 | A4VSO125 | 369 | R902447012 |
| | A4VSO180 | 393 | |
| | A4VSO250 | 453 | R902447013 |
| | A4VSO355 | 482 | |

| Code | Available for Pump | Length to Pump Mounting Face | Material number<br>Assembly Group „Flange and Hub“<br>Flange, Hub, Fixing Bolt, Cylinder Head Screws, O-ring Seal |
|---|---|---|---|
| UB8 | A4VSO125 | 369 | R902447014 |
| | A4VSO180 | 393 | |
| | A10VSO71/32 | 299 | R902447015 |
| | A4VSO250 | 453 | R902447016 |
| | A4VSO355 | 482 | |
| | A10VSO100/32 | 360 | R902447017 |
| | A10VSO140/32 | 377 | R902447018 |
| U34 | A4VSO125 | 369 | R902447019 |
| | A4VSO180 | 393 | |
| | A4VSO250 | 453 | R902447020 |
| | A4VSO355 | 482 | |
| UB9 | A4VSO125 | 382 | R902447021 |
| | A4VSO180 | 406 | |
| | A4VSO250 | 453 | R902447022 |
| | A4VSO355 | 482 | |
| | A10VSO100/32 | 360 | R902447023 |
| | A10VSO140/32 | 377 | R902447024 |
| UB7 | A4VSO180 | 406 | R902447025 |
| | A4VSO250 | 453 | R902447026 |
| | A4VSO355 | 482 | |
| | A10VSO140/32 | 377 | R902447027 |
| U35 | A4VSO250 | 469 | R902447028 |
| | A4VSO355 | 498 | |
| U77 | A4VSO355 | 498 | R902447029 |

| Code | Available for Pump | Length to Pump Mounting Face | Material number<br>Assembly Group „Flange and Hub“<br>Flange, Hub, Fixing Bolt, Cylinder Head Screws, O-ring Seal |
|---|---|---|---|
| SAE J744<br>(The lengths to the pump mounting face are valid for the SAE version. The metric pumps are 2 mm shorter.) | | | |
| U01 | A4VSO125 | 369 | R902447030 |
| | AA4VSO125 | 371 | |
| | A4VSO180 | 393 | |
| | AA4VSO180 | 395 | |
| | A10VSO71/32 | 299 | R902447031 |
| | A4VSO250 | 453 | R902447032 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |
| | A10VSO100/32 | 360 | R902447033 |
| | A10VSO140/32 | 377 | R902447034 |
| U52 | A4VSO125 | 369 | R902447035 |
| | AA4VSO125 | 371 | |
| | A4VSO180 | 393 | |
| | AA4VSO180 | 395 | |
| | A10VSO71/32 | 299 | R902447036 |
| | A4VSO250 | 453 | R902447037 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |
| | A10VSO100/32 | 360 | R902447038 |
| | A10VSO140/32 | 377 | R902447039 |
| U68 | A4VSO125 | 369 | R902447040 |
| | AA4VSO125 | 371 | |
| | A4VSO180 | 393 | |
| | AA4VSO180 | 395 | |
| | A10VSO71/32 | 299 | R902447041 |
| | A4VSO250 | 453 | R902447042 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |
| | A10VSO100/32 | 360 | R902447043 |
| | A10VSO140/32 | 377 | R902447044 |

| Code | Available for Pump | Length to Pump Mounting Face | Material number<br>Assembly Group „Flange and Hub“<br>Flange, Hub, Fixing Bolt, Cylinder Head Screws, O-ring Seal |
|---|---|---|---|
| U04 | A4VSO125 | 369 | R902447045 |
| | AA4VSO125 | 371 | |
| | A4VSO180 | 393 | |
| | AA4VSO180 | 395 | |
| | A10VSO71/32 | 299 | R902447046 |
| | A4VSO250 | 453 | R902447047 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |
| | A10VSO100/32 | 360 | R902447048 |
| | A10VSO140/32 | 377 | R902447049 |
| U07 | A4VSO125 | 369 | R902447050 |
| | AA4VSO125 | 371 | |
| | A4VSO180 | 393 | |
| | AA4VSO180 | 395 | |
| | A4VSO250 | 453 | R902447051 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |
| U24 | A4VSO125 | 369 | R902447052 |
| | AA4VSO125 | 371 | |
| | A4VSO180 | 393 | |
| | AA4VSO180 | 395 | |
| | A4VSO250 | 453 | R902447053 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |
| U15 | A4VSO125 | 369 | R902447054 |
| | AA4VSO125 | 371 | |
| | A4VSO180 | 393 | |
| | AA4VSO180 | 395 | |
| | A4VSO250 | 453 | R902447055 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |

| Code | Available for Pump | Length to Pump Mounting Face | Material number<br>Assembly Group „Flange and Hub“<br>Flange, Hub, Fixing Bolt, Cylinder Head Screws, O-ring Seal |
|---|---|---|---|
| U16 | A4VSO125 | 369 | R902447056 |
| | AA4VSO125 | 371 | |
| | A4VSO180 | 393 | |
| | AA4VSO180 | 395 | |
| | A4VSO250 | 453 | R902447057 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |
| U96 | A4VSO125 | 369 | R902447058 |
| | AA4VSO125 | 371 | |
| | A4VSO180 | 393 | |
| | AA4VSO180 | 395 | |
| | A4VSO250 | 453 | R902447059 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |
| | A10VSO100/32 | 360 | R902447060 |
| | A10VSO140/32 | 377 | R902447061 |
| U17 | A4VSO125 | 382 | R902447062 |
| | AA4VSO125 | 384 | |
| | A4VSO180 | 406 | |
| | AA4VSO180 | 408 | |
| | A4VSO250 | 453 | R902447063 |
| | AA4VSO250 | 455 | |
| | A4VSO355 | 482 | |
| | AA4VSO355 | 484 | |
| | A10VSO140/32 | 377 | R902447064 |
| U78 | A4VSO180 | 431 | R902447065 |
| | AA4VSO180 | 433 | |
| | A4VSO250 | 479 | R902447066 |
| | AA4VSO250 | 481 | |
| | A4VSO355 | 508 | |
| | AA4VSO355 | 510 | |
| U18 | A4VSO250 | 479 | R902447067 |
| | AA4VSO250 | 481 | |
| | A4VSO355 | 508 | |
| | AA4VSO355 | 510 | |
| U72 | A4VSO250 | 479 | R902453019 |
| | AA4VSO250 | 481 | |
| | A4VSO355 | 508 | |
| | AA4VSO355 | 510 | |

Bosch Rexroth AG
Hydraulics
Product Segment Axial Piston Units
Plant Horb
An den Kelterwiesen 14
72160 Horb a.N., Germany
Telephone +49 (0) 74 51 - 92 0
Facsimile +49 (0) 74 51 - 82 21
info.brm-ak@boschrexroth.de
www.boschrexroth.com/axial-piston-pumps

© This document, as well as the data, specifications and other informations set forth in it, are the exclusive property of Bosch Rexroth AG. Without their consent it may not be reproduced or given to third parties.

The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

Subject to change.